

Attorney Docket No.: BERN-0040  
Inventors: Bernstein et al.  
Serial No.: 09/913,697  
Filing Date: January 28, 2002  
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (currently amended): A method of protecting humans exposed to sunlight against photoaging, sunburn and skin cancer comprising topically applying to skin of a human a composition comprising ~~alpha 1-antitrypsin in milk~~ or a serpin with alpha 1-antitrypsin like activity ~~in milk~~ in an amount effective to protect the skin against photoaging, sun burn and skin cancer.

Claim 2 (currently amended): ~~The method of claim 1 wherein the~~  
A method of protecting humans exposed to sunlight against  
photoaging, sunburn and skin cancer comprising topically applying  
to skin of a human a composition comprises ~~comprising~~ alpha 1-antitrypsin in milk.

Claim 3 (previously amended): The method of claim 1 wherein the composition is applied prior to exposure of the skin to sunlight.

Claim 4 (previously amended): The method of claim 1 wherein the composition is applied subsequent to exposure of the skin to

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sunlight.

Claim 5 (currently amended): A method of protecting individuals with a heightened sensitivity to the sun from damage resulting from the sun comprising topically applying to the skin of an individual with a heightened sensitivity to the sun a composition comprising ~~alpha 1-antitrypsin in milk~~ or a serpin with alpha 1-antitrypsin like activity ~~in milk~~ prior to exposure of the individual to the sun.

Claim 6 (currently amended): ~~The method of claim 5 wherein the~~  
A method of protecting individuals with a heightened sensitivity to  
the sun from damage resulting from the sun comprising topically  
applying to the skin of an individual with a heightened sensitivity  
to the sun a composition ~~comprises~~ comprising alpha 1-antitrypsin  
in milk.

Claim 7 (canceled)

Claim 8 (currently amended): A pharmaceutical composition for prevention of photoaging and other sun-damage comprising ~~alpha 1-antitrypsin in milk~~ or a serpin with alpha 1-antitrypsin like

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activity in ~~milk~~, a second sunscreen or free radical scavenger, and  
a pharmaceutical additive.

Claims 9-10 (canceled)

Claim 11 (new): A pharmaceutical composition for prevention of  
photoaging and other sun-damage comprising alpha 1-antitrypsin in  
milk, a second sunscreen or free radical scavenger, and a  
pharmaceutical additive.

Claim 12 (new): The method of claim 2 wherein the composition  
is applied prior to exposure of the skin to sunlight.

Claim 13 (new): The method of claim 2 wherein the composition  
is applied subsequent to exposure of the skin to sunlight.